Appl. No. 10/771,081

Amdt. Dated October 17, 2005

Reply to Office Action of June 15, 2005

Amendments to the Claims:

This listing of claims will replace all prior versions of claims in the application:

Listing of Claims:

1. (Original) A drilling or servicing fluid composition comprising:

an oleaginous liquid as the continuous phase;

one or more surfactants;

aphrons; and

one or more aphron stabilizers, wherein at least one of said aphron stabilizers produces an

average aphron half-life of greater than or equal to about 5 hours.

2. (Currently amended) The composition according to claim [[2]] 1 wherein at least one of

the aphron stabilizers is selected from the group consisting of emulsifiers, detergents, lime,

polymers, surfactants and mixtures thereof consist essentially of a mixture of alkyl ether sulfate

and polyvinyl alcohol.

3. (Original) The composition according to claim 1 wherein the composition comprises at

least 0.01% by weight aphron stabilizer.

4. (Original) The composition according to claim 1 wherein the composition comprises from

about 0.01% to about 3% by weight aphron stabilizer.

5. (Original) The composition according to claim 1 wherein the composition comprises from

about 0.03% to about 1% by weight aphron stabilizer.

6. (Original) The composition according to claim 1 wherein said oleaginous liquid

comprises an organic, water-insoluble liquid.

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7. (Original) The composition according to claim 6 wherein said oleaginous liquid is selected from the group consisting of petroleum oils and fractions thereof, vegetable oils, and synthetic organic liquids.

- 8. (Original) The composition according to claim 1 wherein at least one of the surfactants is selected from the group consisting of anionic, non-ionic and cationic surfactants.
- 9. (Original) The composition according to claim 1 further comprising one or more viscosifiers.
- 10. (Original) The composition according to claim 9 wherein said one or more viscosifiers is selected from the group consisting of oil-soluble and oil-dispersible viscosifiers.
- 11. (Original) The composition according to claim 9 wherein said one or more viscosifiers is selected from the group consisting of organophilic clays, viscoelastic surfactants, polymers and mixtures thereof.
- 12. (Original) The composition according to claim 11 wherein said one or more viscosifiers comprises an organophilic clay selected from the group comprising attapulgites, bentonites, and mixtures thereof.
- 13. (Original) The composition according to claim 9 further comprising aqueous fluid in excess of an amount sufficient to hydrate said one or more viscosifiers.
- 14. (Original) The composition according to claim 13 wherein there is a synergistic effect between said excess aqueous fluid and aphron stabilizer.
- 15. (Original) The composition according to claim 1 further comprising one or more additives selected from the group consisting of weighting agents, corrosion inhibitors, water-soluble salts, biocide, fungicides, seepage loss control additives, bridging agents, deflocculants, lubricity

additives, shale control inhibitors, foam suppressors, emulsifying agents, wetting agents, filtration control agents, and mixtures thereof.

- 16. (Original) The composition according to claim 1 wherein the composition has a low shear rate viscosity as measured by a Brookfield Viscometer at 0.06 sec⁻¹ of at least 10,000 centipoise.
- 17. (Original) The composition according to claim 1 wherein the composition has a low shear rate viscosity as measured by a Brookfield Viscometer at 0.06 sec⁻¹ of at least 20,000 centipoise.
- 18. (Original) The composition according to claim 1 wherein the composition has a low shear rate viscosity as measured by a Brookfield Viscometer at 0.06 sec⁻¹ of at least 50,000 centipoise.
- 19. (Original) The composition according to claim 1 wherein the composition has a low shear rate viscosity as measured by a Brookfield Viscometer at 0.06 sec⁻¹ of at least 100,000 centipoise.
- 20. (Original) The composition according to claim 1 wherein the aphrons comprise from about 5% by volume to about 25% by volume of the composition.
- 21. (Currently amended) The composition according to claim <u>20</u> wherein the aphrons comprise from about 10% by volume to about 20% by volume of the composition.
- 22. (Original) The composition according to claim 1 wherein the aphrons have an average half-life of greater than or equal to about 10 hours.
- 23. (Original) The composition according to claim 1 wherein the aphrons have an average half-life of greater than or equal to about 15 hours.

- 24. (Original) The composition according to claim 1 wherein the aphrons are stable at pressures of greater than or equal to about 2,000 psi.
- 25. (Original) The composition according to claim 1 wherein the aphrons are stable at pressures of greater than or equal to about 5,000 psi.
- 26. (Original) The composition according to claim 1 wherein the aphrons are stable at pressures of greater than or equal to about 8,000 psi.
- 27. (Original) The composition according to claim 1 wherein the composition can be continuously recirculated.
- 28. (Original) The composition according to claim 1 wherein the aphrons prevent loss of excess drilling or servicing fluid into a formation.
- 29. (Original) The composition according to claim 1 wherein the aphrons effectively seal a formation.
- 30. (Original) A process for drilling or servicing a wellbore in a subterranean formation wherein a drilling or servicing fluid is circulated in the wellbore, comprising:

utilizing as the drilling or servicing fluid an oleaginous liquid as the continuous phase, one or more surfactants, aphrons, and one or more aphron stabilizers, wherein at least one of said aphron stabilizers produces an average aphron half-life of greater than or equal to about 5 hours.

- 31. (Original) The process according to claim 30 wherein the aphrons have an average half-life of greater than or equal to about 10 hours.
- 32. (Original) The process according to claim 30 wherein the aphrons have an average half-life of greater than or equal to about 15 hours.

33. (Currently amended) The process according to claim 30 wherein the composition can be

continuously recirculated aphron stabilizers consist essentially of a mixture of alkyl ether sulfate

and polyvinyl alcohol.

34. (Original) The process according to claim 30 wherein the aphrons prevent loss of excess

drilling or servicing fluid into the formation.

35. (Original) A drilling or servicing fluid composition comprising:

an oleaginous liquid as the continuous phase;

one or more surfactants;

aphrons;

one or more aphron stabilizers

one or more viscosifiers; and

aqueous fluid in excess of an amount sufficient to hydrate said one or more viscosifiers.

36. (Original) The composition according to claim 35 wherein there is a synergistic effect

between said excess aqueous fluid and aphron stabilizer.

37. (Original) The composition according to claim 36 wherein said one or more viscosifiers

comprises an organophilic clay selected from the group comprising attapulgites, bentonites, and

mixtures thereof.

38. (Original) The composition according to claim 37 wherein the composition comprises at

least 0.01% by weight aphron stabilizer.

39. (Original) The composition according to claim 38 wherein the aphrons have an average

half-life of greater than or equal to about 10 hours.

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40. (Currently amended) The composition according to claim [[38]] 35 wherein the aphrons have an average half-life of greater than or equal to about 15 hours aphron stabilizers consist essentially of a mixture of alkyl ether sulfate and polyvinyl alcohol.